



TROPICAL CYCLONE BULLETIN NO. 13
Tropical Storm PAENG (NALGAE)

Issued at 11:00 PM, 28 October 2022

Valid for broadcast until the next bulletin at 2:00 AM tomorrow

“PAENG” MAINTAINS ITS STRENGTH AS IT CONTINUES TO APPROACH THE LAGONOY GULF AREA

<p>Location of Center (10:00 PM)</p> <p>The center of Tropical Storm “PAENG” was estimated based on all available data including those from Daet Doppler Weather Radar over the coastal waters of Rapu-Rapu, Albay (13.2°N, 124.6°E)</p> <p>Intensity</p> <p>Maximum sustained winds of 85 km/h near the center, gustiness of up to 105 km/h, and central pressure of 990 hPa</p> <p>Present Movement</p> <p>West northwestward at 25 km/h</p> <p>Extent of Tropical Cyclone Winds</p> <p>Strong to gale-force winds extend outwards up to 590 km from the center</p>	
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TRACK AND INTENSITY FORECAST

Date and Time	Center Position			Intensity		Movement dir. and speed (km/h)
	Lat. (°N)	Lon. (°E)	Location	MSW (km/h)	Cat.	
12-Hour Forecast 8:00 AM 29 October 2022	13.5	123.0	Over the coastal waters of Pasacao, Camarines Sur	95	STS	WNW 20
24-Hour Forecast 8:00 PM 29 October 2022	14.5	121.2	In the vicinity of Binangonan, Rizal	95	STS	WNW 20
36-Hour Forecast 8:00 AM 30 October 2022	15.2	119.2	85 km West of Iba, Zambales	85	TS	WNW 20
48-Hour Forecast 8:00 PM 30 October 2022	15.4	118.3	180 km West of Iba, Zambales	95	STS	WNW 10
60-Hour Forecast 8:00 AM 31 October 2022	16.2	118.0	250 km West of Dagupan City, Pangasinan	95	STS	NNW 10
72-Hour Forecast 8:00 PM 31 October 2022	17.4	117.9	275 km West of Sinait, Ilocos Sur	100	STS	N 10
96-Hour Forecast 8:00 PM 01 November 2022	19.2	118.6	300 km West of Calayan, Cagayan	100	STS	NNE 10
120-Hour Forecast 8:00 PM 02 November 2022	20.7	119.1	285 km West of Itbayat, Batanes (Outside the PAR)	95	STS	NNE Slowly

Prepared by: RPG

Checked by: JEMB



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TROPICAL CYCLONE WIND SIGNALS (TCWS) IN EFFECT			
TCWS No.	Luzon	Visayas	Mindanao
2 Wind threat: Gale-force winds	Catanduanes, Albay, Sorsogon, Masbate including Ticao and Burias Islands, Camarines Sur, Camarines Norte, Marinduque, Quezon including Polillo Islands, Laguna, Batangas, Cavite, Metro Manila, Rizal, Bulacan, the southern portion of Aurora (San Luis, Baler, Dingalan, Maria Aurora), the central and southern portions of Nueva Ecija (City of Gapan, San Leonardo, Santo Domingo, Rizal, San Isidro, Laur, Zaragoza, Llanera, Aliaga, Palayan City, Gabaldon, General Mamerto Natividad, Cabanatuan City, Quezon, San Antonio, General Tinio, Santa Rosa, Pe, Jaen, Licab, Bongabon, Cabiao, Talavera), the central and southern portions of Tarlac (La Paz, City of Tarlac, San Jose, Gerona, Mayantoc, Pura, Bamban, Capas, Santa Ignacia, Victoria, Concepcion), Pampanga, Bataan, the central and southern portions of Zambales (Masinloc, Palauig, Iba, Botolan, Cabangan, San Marcelino, Subic, Olongapo City, Castillejos, San Antonio, San Narciso, San Felipe), the northern and central portions of Oriental Mindoro (Puerto Galera, San Teodoro, Baco, City of Calapan, Naujan, Victoria, Pola, Socorro, Pinamalayan, Gloria, Bansud, Bongabong, Roxas), the northern and central portions of Occidental Mindoro (Sablayan, Santa Cruz, Mamburao, Abra de Ilog, Paluan) including Lubang Islands, and Romblon	Northern Samar, Eastern Samar, Samar, Biliran, and the northern portion of Leyte (San Isidro, Calubian, Tabango, Leyte, Capoocan, Carigara, Barugo, San Miguel, Babatngon, Tacloban City, Alangalang, Santa Fe, Palo, Tanauan, Dagami, Pastrana, Jaro, Kananga, Villaba, Tunga, Tabontabon, Tolosa)	-
Warning lead time: 24 hours Potential impacts of winds: Minor to moderate threat to life and property			



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TCWS No.	Luzon	Visayas	Mindanao
<p style="text-align: center;">1</p> <p>Wind threat: Strong winds</p>	<p>The central and southern portions of Isabela (San Agustin, Jones, City of Santiago, Cordon, Echague, Dinapigue, San Mariano, San Guillermo, Angadanan, City of Cauayan, Benito Soliven, Ramon, San Isidro, Alicia, San Mateo, Cabatuan, Luna, Reina Mercedes, Naguilian, Palanan, Aurora, Burgos, San Manuel, Gamu, Ilagan City, Divilacan, Roxas, Quirino, Mallig), Nueva Vizcaya, Quirino, Benguet, Ifugao, Mountain Province, the southern portion of Ilocos Sur (Sugpon, Cervantes, Alilem, Suyo, Tagudin, Santa Cruz, Sigay, Quirino, Gregorio del Pilar, Salcedo, Santa Lucia), La Union, the rest of Aurora, the rest of Nueva Ecija, the rest of Zambales, Pangasinan, the rest of Tarlac, the rest of Oriental Mindoro, the rest of Occidental Mindoro, and the northern portion of Palawan (El Nido, Taytay) including Calamian and Cuyo Islands</p>	<p>Southern Leyte, Cebu including Bantayan and Camotes Islands, Bohol, Negros Occidental, Negros Oriental, Guimaras, Aklan, Antique, Capiz, Iloilo, Siquijor, and the rest of Leyte</p>	<p>Dinagat Islands, Surigao del Norte including Siargao and Bucas Grande Islands, the northern portion of Surigao del Sur (Carrascal, Cantilan, Madrid, Carmen, Lanuza, Cortes, City of Tandag, Bayabas, Cagwait, San Miguel, Tago, Marihatag, San Agustin, Lianga, Barobo), Agusan del Norte, the northeastern portion of Agusan del Sur (Sibagat, Esperanza, City of Bayugan, Prosperidad), Camiguin, and Misamis Oriental</p>
	<p>Warning lead time: 36 hours Potential impacts of winds: Minimal to minor threat to life and property</p>		



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HAZARDS AFFECTING LAND AREAS

Heavy Rainfall

- *Through tomorrow morning:* Heavy to intense with at times torrential rains likely over Bicol Region, Western Visayas, Quezon including Pollilo Islands, Marinduque, Romblon, Samar, Northern Samar, Eastern Samar, Occidental Mindoro and Oriental Mindoro. Moderate to heavy with at times intense rains likely over Metro Manila, Zamboanga Peninsula, BARMM, Aurora, Bulacan, Palawan including Calamian and Cuyo Islands, Northern Samar, Negros Oriental, Cebu, and the rest of CALABARZON and Eastern Visayas. Light to moderate with at times heavy rains possible over Nueva Ecija, Pampanga, Bataan, and the rest of Visayas.
- *Tomorrow morning through evening:* Heavy to intense with at times torrential rains possible over Metro Manila, CALABARZON, Marinduque, Occidental Mindoro, and Oriental Mindoro. Moderate to heavy with at times intense rains possible over mainland Cagayan Valley, Cordillera Administrative Region, Western Visayas, Aurora, Nueva Ecija, Pampanga, Bulacan, Bataan, Romblon, the northern portion of Palawan including Calamian and Cuyo Islands, Camarines Norte, and Camarines Sur. Light to moderate with at times heavy rains possible over Ilocos Region and the rest of Central Luzon, Bicol Region, and Visayas.
- *Tomorrow evening through Sunday morning:* Heavy to intense with at times torrential rains possible over Metro Manila, Zambales, Bataan, Rizal, Laguna, Cavite, and Batangas. Moderate to heavy with at times intense rains possible over mainland Cagayan Valley, Cordillera Administrative Region, Western Visayas, Quezon including Pollilo Islands, Marinduque, Occidental Mindoro, Oriental Mindoro, and the rest of Central Luzon. Light to moderate with at times heavy rains possible over Ilocos Region, Camarines Norte, Camarines Sur, Romblon, and the northern portion of Palawan including Calamian and Cuyo Islands.
- Under these conditions, **widespread flooding and rain-induced landslides are expected**, especially in areas that are highly or very highly susceptible to these hazard as identified in hazard maps and in localities with significant antecedent rainfall.

Severe Winds

- Winds may reach gale-force strength during the passage of PAENG within any of the areas where Tropical Cyclone Wind Signal No. 2 is hoisted, while strong winds (strong breeze to near gale strength) may be experienced within any of the areas where Tropical Cyclone Wind Signal (TCWS) No. 1 is in effect.
- Per latest track and intensity forecast, **the highest wind signal that will likely be hoisted is Wind Signal No. 3** in anticipation of **storm-force conditions** associated with PAENG.
- The surge of the Northeast Monsoon enhanced by PAENG will also bring **strong winds with gusts reaching gale-force strength** over Batanes, Babuyan Islands, Ilocos Norte, the northern and eastern portions of mainland Cagayan, and the northern portion of Apayao.

Coastal Inundation

There is minimal to moderate risk of storm surge of up to 2.0 m in height which may cause **flooding in the low-lying and exposed coastal areas** of Bicol Region, Marinduque, the eastern portion of Batangas, Quezon including Pollilo Islands, Aurora, Northern Samar, and the northern portion of Eastern Samar. For more information refer to Storm Surge Watch #3 issued at 8:00 PM today.



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HAZARDS AFFECTING COASTAL WATERS

Under the influence of the surge of the Northeast Monsoon and PAENG, a **marine gale warning** is in effect over the seaboard of Northern Luzon, the eastern and southern seaboard of Southern Luzon, and the eastern seaboard of Central Luzon, Visayas, and Mindanao. For more information, refer to Gale Warning #11 issued at 5:00 PM today.

TRACK AND INTENSITY OUTLOOK

- Tropical Storm PAENG is forecast to continue moving west northwestward through Sunday. On the forecast track the center of PAENG may make landfall in the vicinity of Albay-Camarines Sur area or Catanduanes tonight or tomorrow early morning. Afterwards, the storm will traverse Bicol Peninsula until tomorrow early afternoon before crossing the CALABARZON-Metro Manila area tomorrow early afternoon through evening. After emerging over Manila Bay, PAENG will briefly pass very close or over the Bataan Peninsula between tomorrow late evening and Sunday early morning.
- The track forecast may still shift slightly northward or southward in the succeeding bulletins.
- PAENG may still intensify into a severe tropical storm category prior to its landfall over Bicol Peninsula. Frictional effects associated with interaction with the Luzon landmass may result in weakening into a tropical storm during or after its passage over Luzon.

Considering these developments, the public and disaster risk reduction and management offices concerned are advised to take all necessary measures to protect life and property. Persons living in areas identified to be highly or very highly susceptible to these hazards are advised to follow evacuation and other instructions from local officials. **For heavy rainfall warnings, thunderstorm/rainfall advisories, and other severe weather information specific to your area, please monitor products issued by your local PAGASA Regional Services Division.**

The next tropical cyclone bulletin will be issued at 2:00 AM tomorrow.

DOST-PAGASA